ABSTRACT

There is provided a neutron shielding material which has heat resistance and has ensured neutron shielding performance even in a high-temperature environment during storage of a spent nuclear fuel for high burnup. A neutron shielding material having improved heat resistance and ensured neutron shielding performance due to the absence of an amine curing agent is provided by a neutron shielding material composition comprising a polymerization initiator, a polymerization component, a density increasing agent and a boron compound. As the polymerization component of the present invention, an epoxy component and an oxetane component are particularly preferably used.